

an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and

means for shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside the optical sender, and

said shutting down means comprising:

an optical element for receiving said optical signal output from said optical modulator; and

means for controlling said optical element so that the transmittance of said optical element is reduced when receiving said wavelength alarm.

15. (TWICE AMENDED) An optical sender according to claim 10, wherein said shutting down means comprises means for switching the operating point of said optical modulator and shutting down input of said main signal into said optical modulator when receiving said wavelength alarm.

19. (THRICE AMENDED) A terminal device for wavelength division multiplexing, comprising:

a plurality of optical senders for outputting optical signals having different wavelengths; and

an optical multiplexer for receiving said optical signals to output wavelength division multiplexed signal light,

wherein each of said optical senders comprises:

a light source for outputting a light beam;

an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and

means for shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside of the respective optical sender,

said shutting down means comprising:

an optical element for receiving said optical signal output from said optical modulator; and

means for controlling said optical element so that the transmittance of said optical element is reduced when receiving said wavelength alarm.

20. (THRICE AMENDED) An optical communication system for wavelength division multiplexing, comprising:

first and second terminal devices; and

an optical fiber transmission line for connecting said first and second terminal devices,

wherein at least one of said first and second terminal devices comprises:

a plurality of optical senders for outputting optical signals having different wavelengths; and

an optical multiplexer for receiving said optical signals to output wavelength division multiplexed signal light,

wherein each of said optical senders comprises:

a light source for outputting a light beam;

an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and

means for shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside of the respective optical sender,

said shutting down means comprising:

an optical element for receiving said optical signal output from said optical modulator; and

means for controlling said optical element so that the transmittance of said optical element is reduced when receiving said wavelength alarm.

23. (TWICE AMENDED) An optical sender according to claim 31, further comprising:

a circuit supplying a power to said light source; and

a power supervisory circuit monitoring on/off of supply of the power to said light source and outputting power alarm during a given time period from a time the supply of the power to said light source becomes on or off.

31. (TWICE AMENDED) An optical sender comprising:

a light source outputting a light beam;
an optical modulator modulating said light beam in accordance with a main signal to output an optical signal; and
a shutting down device shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside the optical sender,

said shutting down device comprising:

an optical element receiving said optical signal output from said optical modulator; and

a second controlling device controlling said optical element so that the transmittance of said optical element is reduced when receiving said wavelength alarm.

36. (TWICE AMENDED) An optical sender according to claim 31, wherein said shutting down device comprises a switching device switching the operating point of said optical modulator and shutting down input of said main signal into said optical modulator when receiving said wavelength alarm.

40. (THRICE AMENDED) A terminal device for wavelength division multiplexing, comprising:

a plurality of optical senders outputting optical signals having different wavelengths; and
an optical multiplexer receiving said optical signals to output wavelength division multiplexed signal light,

wherein each of said optical senders comprises:

a light source outputting a light beam;
an optical modulator modulating said light beam in accordance with a main signal to output an optical signal; and

a shutting down device shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside of the respective optical sender, and said shutting down device comprises:

an optical element receiving said optical signal output from said optical modulator; and

a second controlling device controlling said optical element so that the

transmittance of said optical element is reduced when receiving said wavelength alarm.

41. (THRICE AMENDED) An optical communication system for wavelength division multiplexing, comprising:

first and second terminal devices; and
an optical fiber transmission line connecting said first and second terminal devices;
wherein at least one of said first and second terminal devices comprises,
a plurality of optical senders outputting optical signals having different wavelengths; and

an optical multiplexer receiving said optical signals to output wavelength division multiplexed signal light;

wherein each of said optical senders comprises:

a light source outputting a light beam;
an optical modulator modulating said light beam in accordance with a main signal to output an optical signal; and
a shutting down device shutting down said optical signal when receiving a wavelength alarm relating to the wavelength of said light beam, said wavelength alarm being provided inside of the respective optical sender, and said shutting down device comprises:

an optical element receiving said optical signal output from said optical modulator; and

a second controlling device controlling said optical element so that the transmittance of said optical element is reduced when receiving said wavelength alarm.

Please ADD the following NEW claims:

43. (NEW) An optical sender, comprising:
a light source outputting a light beam;
an optical modulator modulating the light beam in accordance with a main signal to output an optical signal; and
a shut-down device shutting down the optical signal when receiving a wavelength alarm relating to a wavelength of the light beam, the wavelength alarm being provided inside the optical sender.